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### Recombinant Human TIGIT Fc-Fusion Protein

Cat No: Pr00122-10.9

## Product Summary

**Description:** Recombinant human TIGIT Fc-Fusion Protein manufactured using [AbAb's Recombinant Platform](#)

**Protein:** Human TIGIT

**Fc domain:** Human IgG1

**Structure / Form:** Disulfide-linked homodimer

**Species:** Human

**Construct Design Note(s):** The extracellular domain of TIGIT has been fused to the Fc domain of human IgG1.

**Host:** HEK293

**UniProt Accession Number:** Q495A1

**Alternative Description:** T-cell immunoreceptor with Ig and ITIM domains, V-set and immunoglobulin domain-containing protein 9, V-set and transmembrane domain-containing protein 3; TIGIT-Ig; TIGIT-Fc chimera; TIGIT (Fc tag)

**Published Application(s):**

**Tested Applications(s):**

**Activity:** Binds with high affinity to the poliovirus receptor (PVR) which causes increased secretion of IL10 and decreased secretion of IL12B and suppresses T-cell activation by promoting the generation of mature immunoregulatory dendritic cells [Uniprot].

## Product Form

**Purification:** IMAC purified

**Supplied in:** 0.1 mg size: PBS with preservative (0.02% Proclin 300), 1 mg size: PBS only.

**Endotoxin:** <1.0 EU/mg

**Shipping:** The product is shipped on blue ice. Upon receipt, store it immediately at the temperature recommended.

**Storage Recommendation:** Store at 4°C for up to 1 month. For longer term storage aliquot in small volumes and store at -20°C. Avoid repeated freeze-thaw cycles.

**SDS PAGE Purity:** >95%, as determined by SDS-PAGE and visualized by Coomassie Brilliant Blue.

**Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals**

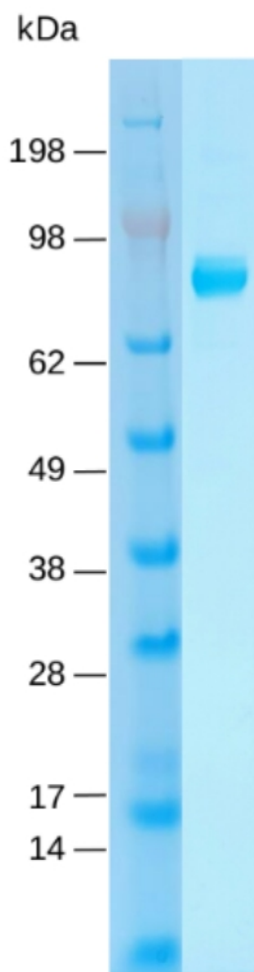
**Fc-Fusion Sequence (monomer)**

MMTGTIETTGNISAEKGGSIILQCHLSSTTAQVTQVNWEQQDQLLAICNADLGWHISPSFKDRVAPGPGGLGLTLQSLTV  
NDTGEYFCIYHTYPDGTYTGRIFLEVLESSVAEHGARFQIPGGGGSEPKSQDKTHTCPPCPAPELLGGPSVFLFPPKPK  
DTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSN  
KALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSGGSF  
FLYSKLTVDKSRWQQGNVFCSSVMHEALHNHYTQKSLSLSPGHHHHHH

Underlined amino acids sequence include a G4S linker and 6xHis epitope tag, respectively.

**Calculated Molecular weight (dimer):** 80341 Da

**Extinction coefficient:** 106090 (calculation performed as described by Pace *et al.* (1995), PMID: 8563639).



**TIGIT (Pr00122-10.9) SDS-PAGE.** Pr00122-10.9 under non-reducing conditions resolved by SDS-PAGE and stained using Coomassie-Blue.

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